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HDR-PJ340/B

Full HD 60p Camcorder w/ built-in Projector

Tell a better story with Sony Full HD/60p quality, image stabilization and a built-in projector that makes everything clear, shake-free and easy to share. Control, transfer and backup everything via Wi-Fi® with NFC in just a touch and get even closer to the action with a 30x zoom, wide-angle Sony G lens. It's the camera that's ready when you are.

Key Features

1920x1080 Full HD 60p w/9.2MP Exmor R® CMOS Sensor

Create cinematic video in high definition 1920 x 1080 60p and high quality 9.2MP still images. Experience stunning low-light sensitivity with improved image clarity and drastically reduced grain with Sony's back-illuminated Exmor R® CMOS sensor. Designed for compact cameras and camcorders, the Exmor R® CMOS sensor relocates the photo diodes above the support circuitry, maximizing the light gathering area per pixel so you can shoot with better results in lower lighting conditions.

Optical SteadyShot™ image stabilization w/ Intelligent Active Mode

Optical SteadyShot™ Image Stabilization with Intelligent Active Mode is an advanced optical image stabilization technology that corrects camera shake to capture scenes with phenomenal smoothness and stability. Intelligent Active Mode analyzes video frames and provides compensation with assistance from the new BIONZ® X image processing engine. Whether recording movies while strolling on vacation, shooting while chasing a child, or zooming in to capture faraway subjects, Handycam's simple solution smoothly reproduces the scene with a higher level of stability.

Project 100" videos w/ 13lm built-in projector via HDMI® input

Enjoy your favorite memories virtually anywhere with the high-contrast 13 lumen projector built-in to the LCD panel. The HDMI® multi-terminal allows you to connect external devices that have an HDMI output (smartphones, laptops, tablets, etc.) and use the camcorder's projector to enjoy other forms of entertainment such as video games and streaming videos from the Internet.

Wireless control, transfer, data backup via Wi-Fi®/NFC [1]

Built-in Wi-Fi®/NFC makes for easy one touch connection to compatible mobile devices[1]. Turn your mobile phone and/or tablet into a remote control/viewing device, transfer your files to your mobile device wirelessly for instant sharing, Back up your data on your PC and even enjoy your videos and photos on a TV without wires.

Wide Angle G lens to capture more of what you want

Experience the pinnacle of Sony® lens technology with the professional-quality G Lens. Engineered for superior optical performance, Sony G lenses deliver brilliant, accurate color reproduction and sharp, amazingly detailed images. In addition, the 26.8mm focal length in Photo and Video Modes offers a broader perspective for enhanced wide angle shooting.

30x Optical/60x Clear Image Zoom to get even closer to the action

Get amazingly close with 30x optical zoom plus 60x Clear Image digital zoom. Most digital zooms use electronic cropping to get closer to the subject, resulting in unsharp images. With Clear Image Zoom the powerful processor compares patterns found in adjacent pixels and creates new pixels to match selected patterns, resulting in more realistic, higher-quality images. Clear Image Zoom doubles optical zoom for closer photos and video.

2.7" Clear Photo LCD™ (230K)

The 2.7" (16:9) Clear Photo LCD™ (230K) displays sharp, bright, vivid images, letting you compose a shot more easily.

Up to XX hours of recording with 16GB embedded Flash Memory

The built-in 16GB embedded Flash memory can record and store up XX hours XX minutes of high definition video footage (HD LP mode).

Shoot high quality AVCHD and web optimized MP4 video

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Shoot HD video in the AVCHD and MP4 formats for highest quality or easy transfer and sharing. AVCHD provides premium video that can be enjoyed on large screen HDTVs, and is ideal for capturing precious memories at special occasions, family vacations and other moments you want to treasure for a lifetime. MP4 is great for those moments that you want to quickly share on your social networks or store on the cloud.

Get creative w/ 7 picture effects for video and still photos

Picture Effects add a new level of expression and creativity to video and photos. Seven picture effects (Toy Camera, Pop Color, Soft High Key, Partial Color, Retro Photo, High Contrast Monochrome, and Posterization) are available in both photo and video modes. Shooting with these special modes will provide you an easy way to instantly transform your memories without any post editing software needed.

Specifications

Camera	
Camera Type	Digital HD Video Camera Recorder w/ Projector
Imaging Sensor	
Imaging Sensor	1/5.8" (4.6mm) back-illuminated Exmor R® CMOS Sensor
Processor	BIONZ® X image processor
Pixel Gross	Approx.2510K pixels
Effective Picture Resolution	Approx.2290K pixels(16:9)/Approx.1710K pixels(4:3)
Color Filter System	RGB primary color filters
Recording	
Media Type	Internal Memory, Memory Stick Micro and Micro SD/SDHC/SDXC compatible
Still Image Mode	JPEG
Still Image Max Effective Resolution	9.2 megapixels
Still Image Size 16:9	Movie Mode: 9.2 megapixels 16:9 (4032x2272); Photo Mode: 9.2 megapixels 16:9 (4032x2272)
Still Image Size 4:3	Photo Mode: 6.9megapixels 4:3(3024x2272)
Video Mode	HD: MPEG4-AVC/H.264 AVCHD 2.0 format.compatible; STD: MPEG2-PS; MP4: MPEG-4 AVC/H.264
Video Resolution	HD:1920x1080/60p(PS),60i(FX,FH), 1440x1080/60i(HQ,LP)
Video Actual (Pixel)	Approx.2290K pixels(16:9)
Video Signal	HDTV, NTSC color, EIA standards
Recording and Playback Times (in Internal Media)(2ch)	HD PS: 1h15m; HD FX: 1h15m; HD FH: 1h40m; HD HQ: 2h40m; HD LP: 3h55m; (Times are approximate; max time)
Photo Capture from Movie	2.1megapixels16:9 (1920×1080)
Dual Record	Yes
Audio Format	Digital 2ch Stereo, Dolby® Digital Stereo Creator;MPEG-4 AAC-LC 2ch
Microphone/Speaker	Built-in Zoom Microphone; Monoroal Speaker
Dual Video Recording	Yes
Internal Media	Flash Memory 16GB
Mic Level Control	Yes(2steps)
Movie Recording Rate(Average Bit Rate/VBR)	HD PS:Approx.28Mbps/FX:Approx.24Mbps/FH:Approx.17Mbps/HQ:Approx.9Mbps/LP:Approx.5Mbps MP4: Approx.3Mbps
Still Image File Format	DCF Ver.2.0 compatible, Exif Ver.2.3 compatible, MPF Baseline compatible
Optics/Lens	
Lens Type	G™ Lens
Lens Stabilization	Optical SteadyShot™ image stabilization w/ Intelligent Active mode (Wide to Tele)
Aperture	F1.8-F4.0
Optical Zoom	24x
Digital Zoom	350x

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Focal Length (35mm equivalent)	Movie Mode: 26.8-804.0mm (16:9); Photo Mode: 26.8-804.0mm (16:9), 32.8-984.0mm (4:3)
Minimum Focus Distance	Approx.1cm(Wide),Approx.80cm(Tele) (13/32inch-31 1/2inch)
Clear Image Zoom	60x
LCD Display	
LCD Type	2.7" Clear Photo LCD™ display (230K)
Angle Adjustment	Opening Angle: max.90 deg., Turning Angle: max.270 deg.
Brightness Control	Yes (Menu)
Coverage	100%
Grid Display	Grid Line
Focus Control	
Focus System	Contrast AF
AF Modes	Auto/Manual
Focus Area	Full range Focus
Exposure System	
Metering Modes	Multi-segment
Exposure Settings	Auto, Manual (Menu)
Scene Mode(s)	Auto/Night Scene/Sunrise Sunset/Fireworks/Landscape/Portrait/Spotlight/Beach/Snow
D-Range Optimizer	Yes
Noise Reduction	Yes
White Balance Mode	Auto/Onepush/Outdoor/Indoor
Minimum Illumination	Standard: 6 lux (1/30 Shutter Speed); Low Lux: 3 lux (1/30 Shutter Speed)
Auto Iris Control	F1.8 - F10
Backlight Compensation	Yes (Auto)
Gain Control	Auto
LOW LUX Mode	Yes
Drive System	
Drive Mode	Photo Mode: Single-shot / Self-timer
Self-timer	Approx. 10sec. (Still Image)
Shutter Speeds	Shutter Speed(Standard): 1/60 - 1/10000; Shutter Speed (Auto Control Range) 1/8 - 1/100000; Shutter Speed(Manual Iris Control) 1/60 - 1/10000; Shutter Speed(Manual Shutter) 1/8 - 1/10000; Shutter Speed(Smooth Slow Rec): 1/250 - 1/10000
Convenience Features	
Manual / Auto Lens Cover	Manual
Self Timer	Yes
Red-Eye Reduction	Yes (On/Off)
Fader Effect(s)	White / Black
Date / Time Stamp	Yes (Rec Date and Time, Camera info)
Erase/Protect	Yes / Yes
Media/Battery Indicator	Yes (recordable time, free and used media space) / Yes (recordable time, remaining capacity)
Power Save Mode	Yes
Still Image Playback Options	Slide Show
Video Playback Options	Highlight Playback (HD Movie Only); Highlight Playback Save and Share (Translate into STD quality); Highlight Scenario (Save/Playback/Erase); Hightlight BGM (Preinstalled 4 music files, Music transfer)
Built-in USB Cable	Yes (USB Charge Available)
Multiple Language Display	English; Brazilian Portugese; Canadian French; Spanish
Picture Effects	Yes
Self Recording	Yes

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AGC Limit	Yes
Airplane Mode	Yes
Advanced Features	
Face Detection	Yes
Image Stabilization	Yes
Intelligent Auto	Portrait / Baby / Walk / Tripod / Backlight / Landscape / Spotlight / Twilight / Macro / Low light
Smile Shutter™ technology	Dual Capture / Always On / Off
Wi-Fi	Built-In (Wi-Fi Compatible, IEEE 802.11b/g/n(2.4GHz band)
Wi-Fi Functionality	Remote control with mobile device, send to smartphone, send to PC
x.v.Color™	Yes
Interface	
Memory Card Slot	Memory Stick Micro and Micro SD/SDHC/SDXC compatible
NFC	Yes
Wi-Fi	Yes
SD Output	Composite Video Out (AV CABLE (sold separately))
HD Output	HDMI Out (micro)(supplied)
USB Port(s)	TypeA (built-in) / USB2.0 Hi-speed (mass-storage/MTP)
BRAVIA® Sync™	Yes
PhotoTV HD	Yes
Headphone Jack	Stereo Minijack
Microphone Input	Stereo Minijack
Direct Copy	Yes
DC IN	Yes
HDMI Terminal	Yes (HDMI micro)
Projector Input	Yes (HDMI micro)
Weights and Measurements	
Dimensions (Approx.)	Approx.2 1/2inchx 2 3/8inch x 4 3/4inch (Approx.61.0mm x 59.5mm x 119.0mm)
Weight (Approx.)	Approx.7.6oz (Approx.215g) Main Unit Only
Power	
Power Consumption (in Operation)	LCD: HD:2.1W
Power Requirements	3.6V (battery pack); 5.0V (AC Adapter)
Battery Type	InfoLITHIUM with AccuPower Meter System (V Series)
Software	
Supplied Software	PC: PlayMemories Home and Music Transfer (via download); MAC: Music Transfer, PlayMemories Online Uploader, Wireless Auto Import (by download)
Operating System Compatibility	Windows XP SP3 /Windows Vista SP2 /Windows7 64-bit editions and Starter (Edition) are not supported. The Windows Image Mastering API (IMAPI) Ver. 2.0 or later is required to use the function for creating discs. Starter (Edition) are not supported. Standard installation is required. Operation is not assured if the above OS has been upgraded or in a multi-boot environment.
Service and Warranty Information	
Limited Warranty Term	Limited Warranty --- 1 Year Parts; 90 Days Labor
Accessories	
Supplied Accessories	Rechargeable Battery Pack (NP-FV50) (1) USB AC adapter (1) HDMI(micro) Cable (1) USB Connection Support Cable (1) Operating Guide (1)

1. Requires NFC-compatible mobile device. Check device's user manual for compatibility

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